

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P566498

Luminaire Tested: **4SNX-48SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-48SL-LW-UNV-L930-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

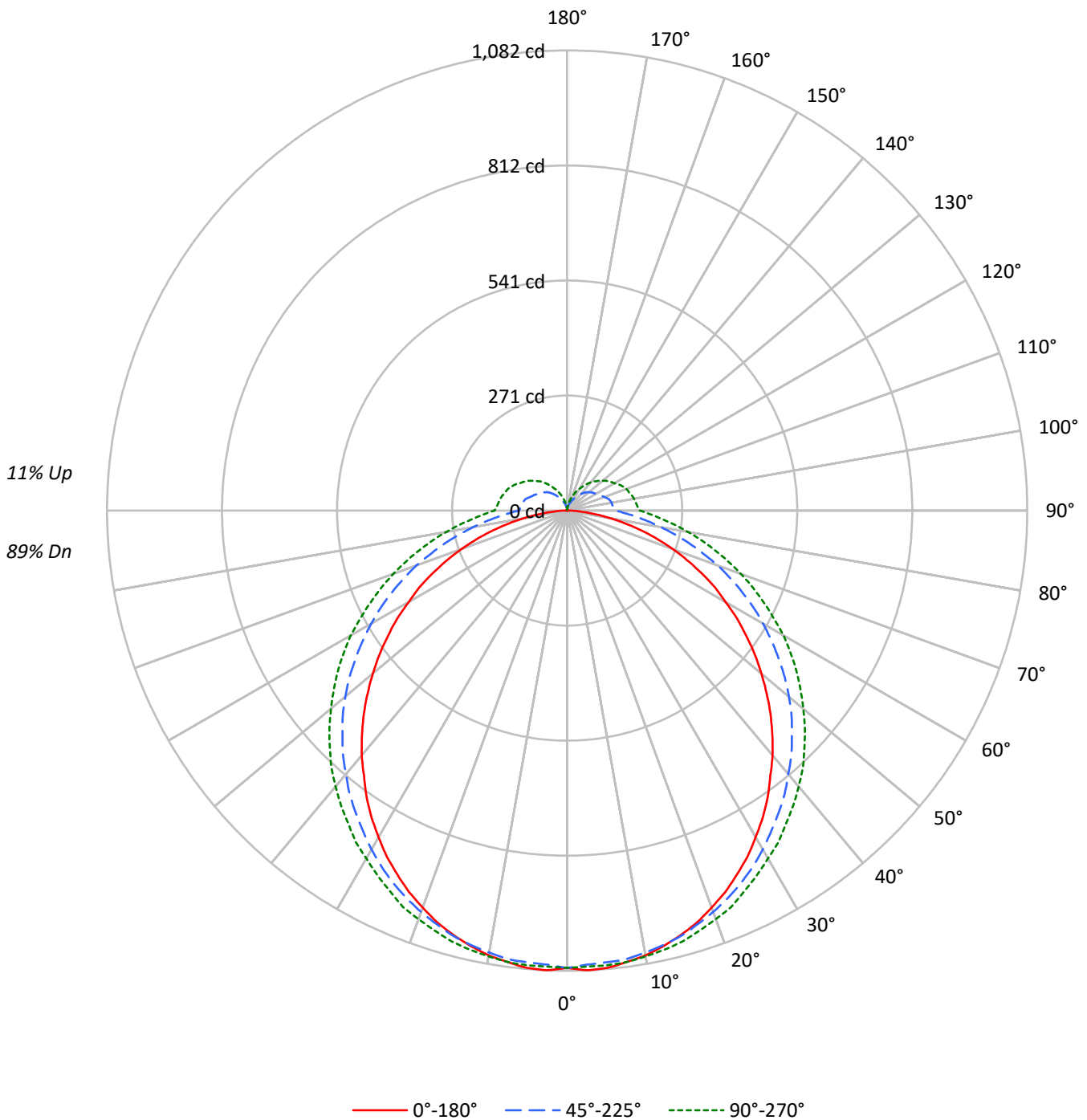
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3828.0 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 32.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11574	11574	11574
5°	11624	11039	10956
10°	11523	10598	10408
15°	11386	10173	9915
20°	11208	9730	9422
25°	11004	9307	8939
30°	10763	8871	8477
35°	10502	8434	8044
40°	10204	8006	7631
45°	9882	7578	7209
50°	9515	7138	6765
55°	9111	6646	6330
60°	8636	6134	5870
65°	8139	5581	5345
70°	7449	4992	4830
75°	6543	4306	4283
80°	5114	3614	3737
85°	3338	2971	3176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.1	2.7
10°-20°	293.6	7.7
20°-30°	446.4	11.7
30°-40°	541.9	14.2
40°-50°	572.6	15.0
50°-60°	535.8	14.0
60°-70°	439.6	11.5
70°-80°	302.4	7.9
80°-90°	165.6	4.3
90°-100°	106.6	2.8
100°-110°	95.7	2.5
110°-120°	79.2	2.1
120°-130°	61.0	1.6
130°-140°	42.9	1.1
140°-150°	25.8	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	842.1	22.0
0°-40°	1383.9	36.2
0°-60°	2492.3	65.1
0°-90°	3399.9	88.8
90°-120°	281.5	7.4
90°-150°	411.2	10.7
90°-180°	428.0	11.2
0°-180°	3828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1080	1078	1066	1075	1073	102
15°	1033	1038	1035	1049	1049	291
25°	944	956	967	987	987	435
35°	822	842	867	891	898	514
45°	676	707	747	780	789	521
55°	514	556	608	645	658	460
65°	348	395	454	497	510	345
75°	182	231	297	344	359	191
85°	40	95	162	206	222	46
90°	0	53	113	155	171	3
95°	0	51	109	148	164	0
105°	0	42	102	140	153	1
115°	2	38	86	124	140	2
125°	2	31	73	106	120	2
135°	2	24	60	86	98	2
145°	2	18	42	66	73	1
155°	2	11	27	42	49	1
165°	2	7	13	20	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1075.3	1075.3	1075.3	1075.3	1075.3
2.5°	1081.9	1079.7	1068.6	1077.5	1073.1
5°	1079.7	1077.5	1066.4	1075.3	1073.1
7.5°	1070.9	1070.9	1064.2	1073.1	1070.9
10°	1062.0	1062.0	1055.3	1066.4	1064.2
12.5°	1048.7	1050.9	1046.5	1059.8	1057.6
15°	1033.2	1037.6	1035.4	1048.7	1048.7
17.5°	1015.4	1019.9	1019.9	1035.4	1035.4
20°	993.3	999.9	1004.3	1022.1	1022.1
22.5°	971.1	980.0	986.6	1002.1	1008.8
25°	944.5	955.6	966.7	986.6	986.6
27.5°	917.9	931.2	944.5	964.4	966.7
30°	886.8	902.4	920.1	940.1	944.5
32.5°	855.8	875.8	893.5	917.9	924.5
35°	822.5	842.5	866.9	891.3	897.9
37.5°	784.9	809.2	840.3	866.9	873.5
40°	751.6	778.2	809.2	840.3	846.9
42.5°	713.9	742.7	780.4	809.2	820.3
45°	676.2	707.3	747.2	780.4	789.3
47.5°	636.3	671.8	716.1	747.2	758.2
50°	596.4	634.1	680.7	716.1	725.0
52.5°	556.5	596.4	645.2	680.7	691.7
55°	514.4	556.5	607.5	645.2	658.5
57.5°	474.5	516.6	569.8	609.7	623.0
60°	430.1	478.9	532.1	572.0	587.5
62.5°	392.4	436.8	494.4	534.3	547.6
65°	348.1	394.6	454.5	496.6	509.9
67.5°	306.0	354.7	414.6	458.9	472.2
70°	263.8	312.6	376.9	419.0	434.6
72.5°	221.7	272.7	334.8	381.3	396.9
75°	181.8	230.6	297.1	343.7	359.2
77.5°	139.7	192.9	259.4	306.0	323.7
80°	102.0	157.4	223.9	270.5	288.2
82.5°	68.7	124.2	190.7	237.2	255.0
85°	39.9	95.3	161.8	206.2	221.7
87.5°	20.0	73.2	135.2	179.6	195.1
90°	0.0	53.2	113.1	155.2	170.7
92.5°	0.0	51.0	110.9	150.8	166.3
95°	0.0	51.0	108.6	148.5	164.1
97.5°	0.0	48.8	106.4	148.5	161.8
100°	0.0	46.6	106.4	146.3	159.6
102.5°	0.0	44.3	104.2	144.1	157.4
105°	0.0	42.1	102.0	139.7	153.0
107.5°	2.2	42.1	97.6	137.5	150.8
110°	2.2	39.9	93.1	135.2	148.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.7	88.7	130.8	144.1
115°	2.2	37.7	86.5	124.2	139.7
117.5°	2.2	35.5	82.0	119.7	135.2
120°	2.2	35.5	79.8	115.3	128.6
122.5°	2.2	33.3	75.4	110.9	124.2
125°	2.2	31.0	73.2	106.4	119.7
127.5°	2.2	28.8	70.9	102.0	115.3
130°	2.2	26.6	66.5	97.6	108.6
132.5°	2.2	26.6	64.3	90.9	104.2
135°	2.2	24.4	59.9	86.5	97.6
137.5°	2.2	22.2	55.4	82.0	93.1
140°	2.2	20.0	51.0	77.6	86.5
142.5°	2.2	20.0	46.6	70.9	79.8
145°	2.2	17.7	42.1	66.5	73.2
147.5°	2.2	15.5	37.7	59.9	66.5
150°	2.2	15.5	33.3	53.2	59.9
152.5°	2.2	13.3	28.8	48.8	55.4
155°	2.2	11.1	26.6	42.1	48.8
157.5°	2.2	11.1	22.2	35.5	42.1
160°	2.2	8.9	20.0	28.8	35.5
162.5°	2.2	8.9	17.7	24.4	31.0
165°	2.2	6.7	13.3	20.0	24.4
167.5°	2.2	6.7	11.1	15.5	20.0
170°	2.2	4.4	8.9	11.1	15.5
172.5°	2.2	4.4	6.7	6.7	6.7
175°	2.2	2.2	4.4	4.4	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)